BRUHATH BANGALORE MAHANAGARA PALIKE

Name of work: Repari works of public toilets at agrahara layout and vinayakanagara in ward No. 05

Estimate cost : Rs 2.50 lakhs

Sl No	Description of work	Measurements No	L	B	D	Qty	Unit	Rate	Amount
1	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5.								
	Pipe Line	1	48.00	0.60	0.75	21.60			
	[P.No.5-1.No.2.4]					**21.60**	**cum**	**305.64**	**6601.82**
	Basic Rate 283.00								
	Add 8% 22.64								
	Total Rs 305.64								
2	Providing and installing at site of work 63mm (0.662) PVC Pipes of 6 kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete (P.NO - 94, I.NO - 13.73.2, PWD SR 16-17)								
		1	48.00			**48.00**	**No's**	**368.88**	**17706.24**
	Basic Rate 348.00								
	Add 8% 20.88								
	Total Rs 368.88								
3	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications (P.NO - 6, I.NO - 2.11, PWD SR 16-17)								
		1	48.00	0.60	0.75	**21.60**	**Sqm**	**80.56**	**1740.10**
	Basic Rate 76.00								
	Add 8% 4.56								
	Total Rs 80.56								

Sl No	Description of work	Measurements No	L	B	D	Qty	Unit	Rate	Amount
4	PVC DOOR Shutter : Supply and fixing of doors shuttersmade of rigid PVC extruded hollow section of 20mm X 200mm with the wall thickness of 1.0mm + /0.1mm equally divided into 4nos with tongue and groove locking arrangements. The shutter frame is made of 58*24 mm with the wall thickness of 1.5mm+/-0.15mm section metricut and joined at 4 corners with 125mmX225mm plastic brackets. The shitter shall be horizontally reinforced with 2nos of 8mm PVC rods. Teak wood battons shall be reinforced inside the door shutter during the fabrication of the door shutter at								
	D1 Agrahara Layout	5	0.75		2.10	**7.88**			
	Vinayakanagara	5	0.75		2.10	**7.88**			
	[P.No.58-1.No.9.86]					**15.75**	**sqm**	**1900.80**	**29937.60**
	Basic Rate 1760.00								
	Add 8% 140.80								
	Total Rs 1900.80								
5	KSRB 15.14.3 : Providing and applying one coat with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after througly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. PWD-2018-19								
	[P.No.119-1.No.15.50.1]								
	Inside Plastering Agrahra layout	2	3.10		3.00	18.60			
		2	1.20		3.00	7.20			
		1	3.10	2.50		7.75			
	for toilet	2	1.50		3.00	9.00			
	for toilet	2	1.50		2.10	6.30			
	for urinals	2	1.20		3.00	7.20			
	Inside Plastering Vinayakanagara	2	3.10		3.00	18.60			
		2	1.20		3.00	7.20			
		1	3.10	2.50		7.75			
	for toilet	2	1.50		3.00	9.00			
	for toilet	2	1.50		2.10	6.30			
	for urinals	2	1.20		3.00	7.20			
						112.10			
	Deduct :								
	D	4	0.9		2.10	**7.56**			
	D1	4	0.75		2.10	**6.30**			
	V	8	0.90		0.60	**4.32**			
					(-)	**18.18**			
						93.92	**sqm**	**49.68**	**4665.95**
	Basic Rate 46.00								
	Add 8% 3.68								
	Total Rs 49.68								

Sl No	Description of work	Measurements No	L	B	D	Qty	Unit	Rate	Amount
	Providing and finishing external walls in two coats over one coat of 100% acrylic silicon glazed primer with antifungal paint for top coat of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour complete as per specifications								
	[P.No.125-1.No.15.104]								
	Outside Painting Agrahra Layout	2	3.50		3.60	**25.20**			
		2	3.00		3.60	**21.60**			
5	Outside Painting Vinayakanagra	2	3.50		3.60	**25.20**			
		2	3.00		3.60	**21.60**			
						93.60			
	Deduct :								
	D	4	0.9		2.10	**7.56**			
	D1	4	0.75		2.10	**6.30**			
	V	8	0.90		0.60	**4.32**			
					(-)	**18.18**			
						75.42	**Sqm**	**163.08**	**12299.49**
	Basic Rate 151.00								
	Add 8% 12.08								
	Total Rs 163.08								
	KSRB 14.14-5 : Providing ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications. ceramic tiles								
	Agrahara Layout								
6	Toilet flooring .	2	1.20	1.50		3.60			
	Urianls area	1	3.10	1.20		3.72			
	Vinayakanagara								
	Toilet flooring .	2	1.20	1.50		3.60			
	Urianls area	1	3.10	1.20		3.72			
	[P.No.106-1.No.14.36.3]					**14.64**	**Sqm**	**1272.24**	**18625.59**
	Basic Rate 1178.00								
	Add 8% 94.24								
	Total Rs **1272.24**								
	KSRB 14.14-5 : Providing ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications. ceramic tiles 15X15cms 6mm thick								

Sl No	Description of work		Measurements No	L	B	D	Qty	Unit	Rate	Amount
	Agrahara Layout									
	Toilet wall .		4	1.20		2.10	10.08			
	Urianls wall		4	1.50		2.10	12.60			
	Urianls wall		2	3.10		2.10	13.02			
	Wash basin area		1	1.20		3.10	3.72			
7	**Vinayakanagara**									
	Toilet wall .		4	1.20		2.10	10.08			
	Urianls wall		4	1.50		2.10	12.60			
	Urianls wall		2	3.10		2.10	13.02			
	Wash basin area		1	1.20		3.10	3.72			
							78.84			
	Deduct :									
	D		4	0.9		2.10	**7.56**			
	D1		4	0.75		2.10	**6.30**			
	V		8	0.90		0.60	**4.32**			
						(-)	**18.18**			
	[P.No.106-1.No.14.36.1]						**60.66**	**Sqm**	**999.00**	**60599.34**
	Basic Rate	925.00								
	Add 8%	74.00								
	Total Rs	**999.00**								
	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step									
	Vinayakanagara									
	20mm dia CPVC pipe .		2	30.00			**60.00**			
	[P.No.97-1.No.13.87.2]						**60.00**	**mtr**	**135.00**	**8100.00**
	Basic Rate	125.00								
	Add 8%	10.00								
8	Total Rs	135.00								
	25mm dia CPVC pipe .		2	20.00			**40.00**			
	[P.No.97-1.No.13.87.3]						**40.00**	**mtr**	**178.20**	**7128.00**
	Basic Rate	165.00								
	Add 8%	13.20								
	Total Rs	178.20								
	32mm dia CPVC pipe .		2	20.00			**40.00**			
	[P.No.97-1.No.13.87.4]						**40.00**	**mtr**	**232.20**	**9288.00**
	Basic Rate	215.00								
	Add 8%	17.20								
	Total Rs	232.20								
	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and									
9	12.5cmx7.5cm .						**4.00**			
	[P.No.88-1.No.12.113.2]						**4.00**	**each**	**307.80**	**1231.20**
	Basic Rate	285.00								

Sl No	Description of work		Measurements No	L	B	D	Qty	Unit	Rate	Amount
	Add 8%	22.80								
	Total Rs	307.80								
10	KSRB13-6.1-1 : Providing and fixing in position brass bib cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete .						10.00			
	[P.No.91-1.No.13.23]						10.00	each	249.48	2494.80
	Basic Rate	231.00								
	Add 8%	18.48								
	Total Rs	249.48								
11	KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 : 1996 with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and .						2.00	No's	9144.36	18288.72
	Basic Rate	8467.00								
	Add 8%	677.36								
	Total Rs	9144.36								
12	KSRB 11-5 : Providing and fixing white vitreous china chair, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I/M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of .						4.00			
	[P.No.77-1.No.12.5]						4.00	each	5540.40	22161.60
	Basic Rate	5130.00								
	Add 8%	410.40								
	Total Rs	5540.40								
					Total Rs.		_	_	_	220868.45
					Add 12% GST		_	_	_	26504.21
					For Miscellaneous &		_	_	_	2627.33
					GRAND TOTAL		_	_	_	250000.00

TECHNICAL SANCTION
Accorded for Rs. Two lakh fifty thousand only
Head of A/c. P-3294
Div. Ref. No. 69 Date 20/2/19
EE(BTP) 20/2

ADMINISTRATIVE APPROVAL
Accorded For Rs. Two lakh fifty thousand only
Head of A/c. P-3294
Div. Ref. No. 113 Date 20/02/19
EE(BTP) 20/02

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2018-19
3 This works come under B.B.M.P. limits.

Assistant Engineer
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬ.ಬ.ಎ.ಪಾ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Executive Engineer
Byatarayanaura Div.
ಕಾರ್ಯ ಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ ಬೆಂಗಳೂರು ನಗರ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ಬೆಂಗಳೂರು-560092.

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
ಬ.ಬ.ಎಂ.ಪಾ., ಬೆಂಗಳೂರು-24